User Manual

Car DVD multimedia and GPS navigation system

Please check if the content is complete and intact, in case of damage contact the carrier and the seller. Please take in consideration that a damage, that has been indicated later on, can't be taken in charge.

Please read these instructions carefully and familiarize yourself with the product.

The used pictures in this manual may differ from the actual delivered goods delivered and are merely illustrative.

Keep the manual!

Stand: 03/2014

Stand: 03/2014

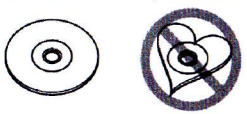
Contents

1. Safety Informations 2
2. Quick Review 3
   2.1 Turning On and Turning Off 3
   2.2 Panel Function Button 3
   2.3 Technical Details 4
   2.4 Tips for Using Touch Screen 5
      2.4.1 Clicking Function 5
      2.4.2 Exit Operate 5
      2.4.3 Draging Function 5
   2.5 Main Screen 5
   2.6 Source list 6
3. Function Operations 7
   3.1 Radio 7
   3.2 Disc play 8
      3.2.1 Video play 8
      3.2.2 Music play 9
      3.2.3 Pictures play 10
   3.3 Bluetooth 10
   3.4 Navi path 11
   3.5 EQ setup 11
   3.6 Steering wheel control 11
   3.7 OSD logo 12
4 Setup 12
   4.1 System setup 13
   4.2. Date and time 13
   4.3 Radio area 14
5. Factory setup 15
6. Trouble handle 15
7. Disposal 16
   7.1 Disposal of packaging 16
   7.2 Disposal of appliance 16
8. Wiring diagram 17

1. Safety information

WARNING

- To prevent a short circuit, never put or leave any metallic objects (such as coins or metal tools) inside.
- Do not watch of fix your eyes on the unit's display when you are driving for any extended period.
- The power supply of this unit is 12V only (negative ground), please don't connect with 24V, otherwise it will damage this unit.
- Don't operate the machine while driving to avoid the traffic accident.
- Please install machine by professionals for the purpose of safety and normal usage.
- Never disassemble or repair unit without permission to avoid damage or accidents.
- Please don't place products in damp environment or water to avoid electric shock from short circuit or damage and fire
- The LCD screen of this product adopt exact electronic configuration. Please don't knock TFT LCD hard with hand to avoid damaging products.
- The reserve camera function is auxiliary, manufacturer is not responsible for any accident from backing a car.
- Do not touch the recording surface of the disc.
- Do not stick tape etc. on the disc or use a disc with tape stuck on it.
- Do not use disc type accessories.
- Clean from the center of the disc and move to outward.
- When removing discs from this unit, pull them out horizontally.
- If the disc center hole or outside rim has burrs, use the disc only after removing the burrs with a ballpoint pen etc.
  Discs that are not round cannot be used.



- Discs with coloring on the recording surface or discs that are dirty cannot be used.
- You cannot play CD-R or CD-RW that has not finalized. (For the finalization process refers to your CD-R/CD-RW writing software and your CD-R/CD-RW recorder instruction manual.)

2. Quick Review

Warning: Before using this device, please read the manual safety and law information.

2.1 Turning On and Turning Off

Turning On	When you plug in the car keys, open the car's ACC power, the device will be automatically turned on, displaying the boot LOGO.
Turning Off	When you take off the key, turn off the car's ACC power, the device will automatically be shut down.

2.2 Panel Function Button

Icon	Button Name	Function Description
PWR/VOL	Power/Volume	- Press this button, the system is turned on. - Press this button in working status, the system was muted; Keep press this button system will shutdown - Turn this button clockwise, the volume is increased - Turn this button counterclockwise, the volume is decreased.
HOME	Main Interface	- Press to turn to source menu page.
MENU	Main Menu	- Return to source menu page.
BACK	Back	- Press to back to the last interface.
NAVI	Navigation	- Press to enter GPS navigation interface.
DVD	DVD Play	- Press to enter disk play interface.
PHONE	PHONE	- Press to enter Bluetooth telephone interface.
RADIO/ BAND	RADIO/BAND	- Press to enter radio interface, or select the radio band from FM1/FM2/FM3/ AM1/AM2.
TUNE	Compound	- In the audio and video playback interface, up / down one tracker - In the radio interface up / down frequency.
⏏	In/Out Disc	- Disk in and out.
SD	Media Card slot	- Change the current source to SD card multimedia play.
USB	USB Socket	- Change the current source to USB multimedia play.
RESET	Reset Button	- Click reset button to reset system and re-start.
MIC	Microphone	- Build-in microphone for Bluetooth.
ENT	Enter	- Completion of the current operation.
DIM	Dimmer	- Change brightness level.
MODE	Mode change	- Change current source

Remark: All long press means press on key above 3 seconds; Button and socket is different according to different car types, please take real type as standard.

2.3 Technical Details

System	
Features	DVD, FM/AM, Bluetooth, RDS, Steering wheel control, SD/USB multimedia playback, Rear Camera Input, Aux In, GPS(optional) iPod(optional)
Ill control	Yes
Anti shock	Mechanical anti-shock & Electronic anti-shock
Display	
Display Mode	16:09
Screen Resolution	800*480
Display Type	LCD-TFT
Brightness Control	Yes
OSD Language	English,Russian,Arabic,German,Spanish,French,Thai,Italian,chinese,Turkish, Portuguese, Japanese, Malayan, Hebrew, etc.
Display off	Yes
Remote Control	Yes
Radio	
Radio Tuner	FM/AM
Station Preset Qty.	30
Support RDS	Yes
Radio response bandwidth	AM: 522~1620KHz, FM: 87.5~108MHz, FM: 65~74MHZ(For Russia), FM: 76~90MHZ(For Japan)
DVD	
Video Output System	NTSC,PAL
Signal-to-Noise Ratio	85dB
Media Type	CD,HDCD,MP3,WMA,VCD,DVD,DVD-R/RW,DVD+R/RW,CD-R/RW, JPEG, AVI, DIVX, etc.
Amplifier	
Amplifier output	45W*4
EQ mode	Rock, Hip Hop, Dance, Latin, Rave, Urban, Acoustic;
Loudness	Yes
Subwoofer	Yes
Audio Line out channel	4.1
Rear Camera Input	
Reversing mode	Screen automatic display rear camera video when reversing
Rear Camera	No, is optional
SD/USB/iPod	
Playback mode	Automatic play multimedia when the device connected unit IPod playback is optional
Interface	
Video Input	2 Channels, One for camera, one for aux in
Video Output	2 Channels
Audio Input	1 Channel for aux in
Audio Output	4.1 Channels
Connector Type	1*Power, 1*USB, 1*GPS ANTENNA, etc.
USB/SD CARD Port	USB Port, SD Port
General	
Color	Originally

2.4 Tips for Using Touch Screen

When using the touch screen, you can use several ways to perform corresponding operations on the device.

2.4.1 Clicking function

You could select an application icon or option on the screen to realize clicking function. For example, click Bluetooth to enter into Bluetooth application.

2.4.2 Exit operate

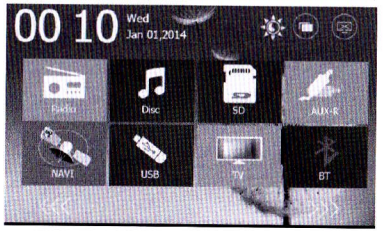
Click left top corner for exit to source menu, click right top corner for back to last page.

2.4.3 Dragging function

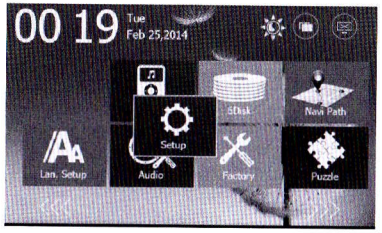
Drag the touch screen or press the scroll for up and down operation. For example, browse the contact list of the Bluetooth phones by dragging function.

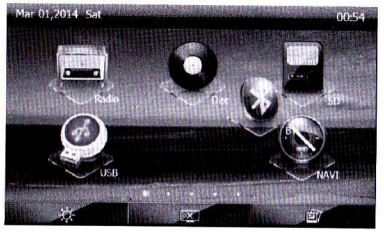
2.5 Main Screen

Click any application icon to open the program. Any interface press the HOME physical buttons on the panel to return to the main screen interface,



Note: Click the icon above 5s, and move to other icon. You can replace the icons position.

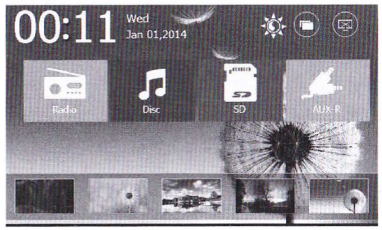




- Click 00 10 or Mar 01,2014 Sat to setup date and time as →P13
- Click or to change the screen brightness. DIM1~5. Settings can be changed and save whenever car lights on or off.

Notice: Brightness would be enforced DIM1 when car lights on.
For example: setting DIM5→lights on→brightness change to DIM1 automatically→lights off→brightness back to DIM5.
Display brightness and contrast setup as →P13

- Click or replace wallpaper. It will pop out the wallpaper and click to change, drag left and right for other pictures.



- Click turn off screen.
- Click previous page and next page. Drag on menu can change page also.

2.6 Source list

Icon	Name	Function Description
	Radio	Radio function. Operate as →P7, Setup as →P14
	Disc play	Disc plays function. Operate as →P8.
	Navigation	Start Navigator. Notice: Setup navi path before start navigator.
	USB play Ipod play	USB media play. Video, Audio and Pictures play operate all same as disc media play. Ipod music play is optional function and system not supports video.
	SD play	SD media play; operate same as USB, Plug and play.
	Television	Television, device support Analog television and Digital television, TV play operates depending on ATV or DTV.
	Rear AUX in	Rear AUX input.
	Bluetooth	Bluetooth and Bluetooth music play. Operate as →P10.
	Ipod	Operate similar disc music play. Notice: It is optional function, and available just Apple product connecting.
	Front AUX in	Front AUX input.
	6 Virtual Disc play	6 Virtual disc function, it is optional functional.
	Digital video recorder	Control digital video recorder, Notice: It is optional function. Support our DVR device.
	Internet Browser	Internet browser, it work when wifi or 3G connecting internet. 3G modem and WIFI dongle is optional.
	Front camera	Display front camera video, optional function. Support CVBS video input.
	Compass	Show the latitude and longitude, speed and direction, working on GPS.
	Key light color	Panel Key backlight change, optional function.

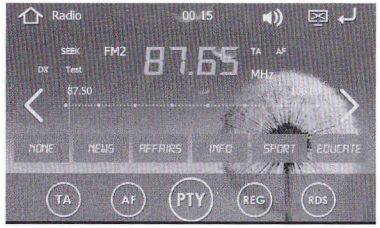
	Wifi setting	For setup wifi connect. Work on wifi dongle plug in device.
	Factory setup	Device Factory setup. Password is 0000. Detail as →P15 Warning: The device have the best status settings before send out, strongly recommend user do not change it.
	Map path setup	Select map program path for navigation. Operate as →P11
	EQ setup	Setup equalizer. Operate as →P11
	Language setup	Change the user interface language. Device support: Chinese, English, Russian, French, German, Spanish, Italian, Portuguese, Arabic, Hebrew, Thai, Traditional Chinese, Turkish, Malay. Etc. Drag left or right for select language according flag.
	Steering wheel control setup	Steering wheel control setup. Operate as →P11
	Puzzle game	Puzzle game
	OSD logo	Change the OSD logo. It will display when device turning on or loading media. Operate as →P12
	Car setup	Change car settings. Working on device connect car ECU with CAN BUS. Operate depends on different car.
	Car information	Show car status such as Trip information, Tire pressure etc. Working on device connect car ECU with CAN BUS.
	Setup	Device setup. Operate as →P12

3. Function Operations

3.1 Radio

Icon	Name	Function description
	Search channel backwards	Click to search channel backwards then stop at clear channel.
	Search channel forwards	Click to search channel forwards then stop at clear channel.
90.10	Pre-store station	Pre-store favorite radio station. Press icon above 3s will save current station. And it can be sited by AS operate. FM 18 · stations, AM 12 stations.

DX/LOC	Sensitivity DX/LOC	Radio sensitivity lower in LOC status for quickly find the favorite station; and high in DX status for get more station.
BAND	Band switch	Click BAND to switch between modes FM1/FM2/FM3/AM1/AM2.
SCAN	Scan station	Start scan from current station and stop at next station.
AS/PS	Automatically search and scan play	Click icon for scan play all pre-store station, every station will play 3s. Press icon above 3s for start auto search, it can scan from the low to high frequency and save the best stations to pre-store.
RDS	RDS	Change to RDS operate page



Icon	Name	Function description
TA	Traffic Announcement	If TA turn on, it can source automotive the station which can broadcast traffic information, the system will search once every minute and stop to display traffic matter when it get the news; It will go back to play last station after traffic information over.
AF	Alternative Frequencies	Turn on AF, it can find out stronger station what have multi frequency.
PTY	Program Type	Search favorite station according program type and show the type information
REG	Regional Link	Turn on/off REG function
NEWS	Station type	For search same type station and play

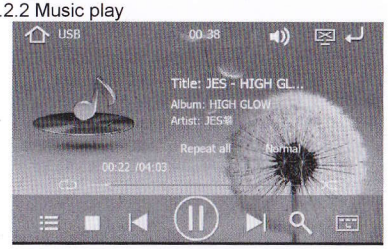
3.2 Disc play

3.2.1 Video play

Icon	Name	Function description

◀)+ ◀)−	Volume	Increase or decrease volume
	Turn off display	Media playing but no display for prevent impaired driving
INFO	Media information	Current media information
EQ	EQ setup	Into EQ setup page
▶/II	Play/Pause	
■/⏏	Stop	Click one time stop and save play process, double click stop play
I◀◀	Previous track	
▶▶I	Next track	
◀◀	Review	Review contents by 2x,4x,8x,16x
▶▶	Preview	Preview contents by 2x,4x,8x,16x
	Zoom	Zoom in and out
	Next page	
	Repeat	
A-B	Repeat from A to B	
Audio	Audio channel select	Work on media support
Sub-T	Sub-title select	Change sub-title
Root	Back to disc root	
Title	Back to title list	
	Multi angle video	Work on media support

3.2.2 Music play



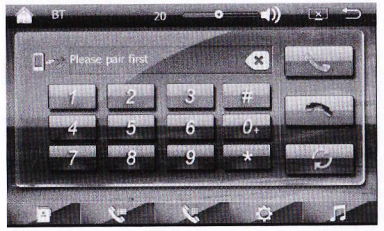
Click ☰ back to media list, click ⏎ back to upper direction.
Click ⊞ select track.

3.2.3 Pictures play
Mostly icon operates same as video play.

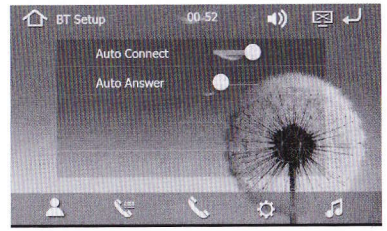
3.3 Bluetooth

Bluetooth is highest priority, device will change to Bluetooth interface when phone calling regardless of current source.

Notice: Bluetooth operate after paired between of mobile phone and device.



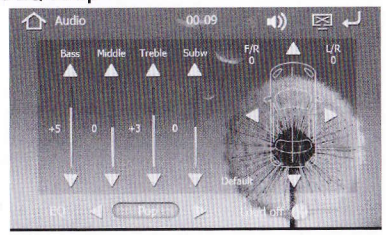
Icon	Name	Function description
	Phone Book	Phone book, it can read and download contact person information from mobile phone book. It is optional function
	Call records	Missing call, Dialed number, Received call records.
	Key board	
	Setup	The paired phone will be connected when it nearby device automatically in Auto connect available; Income call will be received automatically in Auto Answer available
	Bluetooth music play	Play mobile phone music by Bluetooth, previous, next, play and pause can be controlled. It is optional function.
	Transfer	Transfer voice between of mobile phone and device when calling
	Hand up	Hand up call
	Call	Dial out
	Delete input	
	Pair	Click icon and then search and pair device on mobile phone. Bluetooth pair password is "0000" or "1234".



3.4 Navi path

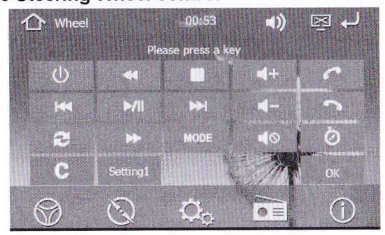
Map card all of .exe programs would be show on list, select the main program and click OK exit.
Notice: If navi path setup incorrect, cannot start navigator.
If no .exe files in list please check the map card can be read or not, replace another map card and confirm installation correctly.

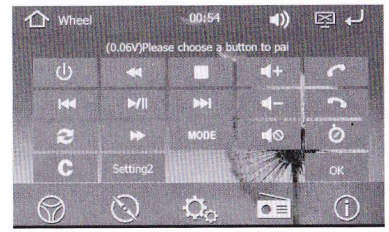
3.5 EQ setup



Pre-store style for select: Pop/Classic/Rock/Jazz/Standard/Custom
Bass, Middle and Treble can be adjusted in Custom status.
Loud, Subwoofer and speakers volume can be adjusted as user favor

3.6 Steering Wheel control

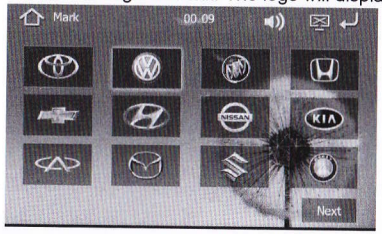




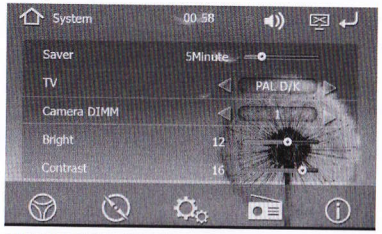
Step 1: Find out car's steering wheel control output wire, connect to device;
Step 2: Click wheel icon or system setup to into steering wheel learn page, password is 0000;
Step 3: Press one key on steering wheel, device will get a data, click same key on screen will display "succeed to pair";
Step 4: Repeat step3 till all keys was learned, then click OK save and exit.
Notice: Device's wires for steering wheel connect description as P and it stuck on the top cover.
Universal model need to cut the car's wire for connect but the special model no need.
Normally special model will come with female connector, just plug with car's male connector.
Some special models steering wheel control work with CAN BUS, no need learn the keys.
For example: Ford Mondeo.
If cannot learn in setting1, change setting2 or 3, 4 and re-try.

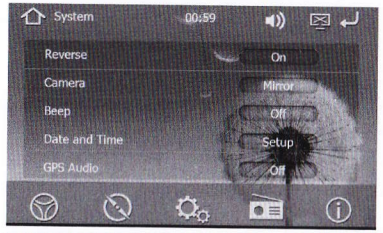
3.7 OSD logo

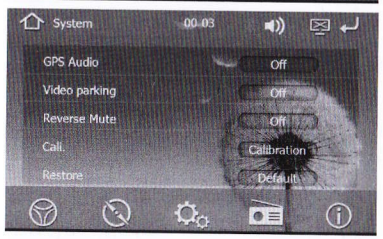
Click the mark icon on source menu to into OSD logo list or,
Set the volume is 2 in Aux in-R status, then click top left corner back to source menu, and then press top left corner till to the logo list pop out.
Select favorite logo and exit. The logo will display when turning on or waiting to read media.



4. Setup







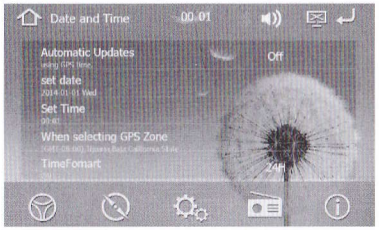
Icon	Name	Function description
	Steering wheel control	Learn steering wheel control keys. Password is 0000. Operate as →P11

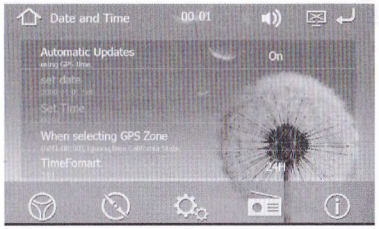
	Navi path	Navi path select. System default path is last setting, if change the map card or restore all data, need to re-setting path. Otherwise navigation cannot work.
	System setup	Detail as →P12
	Radio area	Detail as →P14
	Firmware version	

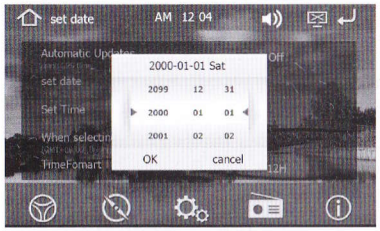
4.1 System setup

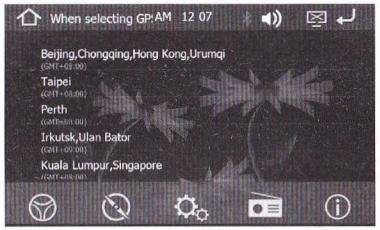
Name	Function description	Contents
Save	Screen save start time. From 1 min to 20min and it can be sited off for not screen save function.	System will go to screen save display after setting time if no any operations, but it can't work when playing video.
TV	Analog Television mode	PAL-DK / PAL-I / PAL-BG / PAL-N / PAL-M / SECAM-DK / SECAM-L / SECAM-DG / SECAM-I / NTSC-MN
Camera DIMM	Rear view camera video brightness	Level 1~5, just setup the rear view camera, system brightness no effected.
Bright	Display brightness	Level 0~20
Contrast	Display contrast	Level 0~20
Reverse	Device power on or not when reversing	Reverse "on" status: Device get the rear view camera video input or the Reverse wire (Brown) have power input when car reversing, it turn on automatically. Then turn off automatically after reversing. Reverse "off" status: No action even if reversing when device in power off status.
Camera	Rear view camera display	Normal or Mirror
Beep	Beep tone when press key	On or Off
Date and Time	System date and time setup	Detail as →P14
GPS audio	The sounds mix or mute for GPS voice.	"Off" status: Only can hear GPS sound when navigation have voice; "On" status: GPS voice mix to music sound
Video parking	Parking detect function	"Off" status: Video and pictures play without warning even if driving. "On" status: Just can watch video or pictures when car park.
Reverse Mute	Mute or not when Reversing	"On" status: No any sound output when reversing "Off" status: Reversing can't effect sound output
Cali.	Calibration touch screen	Click center of cross one by one till to display OK
Restore	Restore all the settings to default factory setting	Notice: Do not power off when restoring. All settings will be reset.

4.2 Date and time



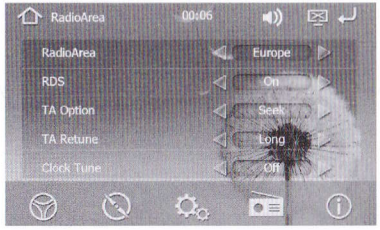


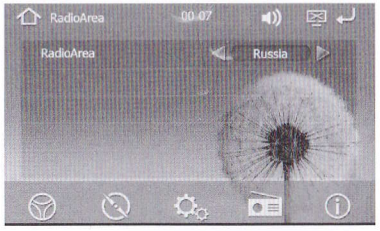




Name	Function description	Contents
Automatic Updates	Date and Time setup by GPS or manual	"Off" status: Date and time is system data, setup by manual; "On" status: Date and time is GPS data, will be adjusted by GPS signal. It wants to select local time zone for correct time and date.
Set date	Set date	Click "OK" for save setting by manual.
Set time	Set time	Click "OK" for save setting by manual.
When selecting GPS Zone	Time zone setup	Click and drag up and down for correct time zone Notice: If "Automatic Updates" on, wrong time zone setting will lead wrong time and date
Time Format	Time Format	12H or 24H format

4.3 Radio area





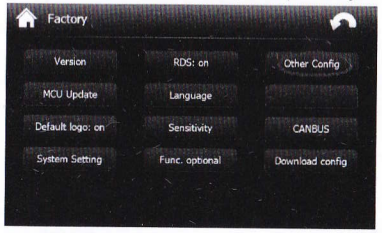
Name	Function description	Contents
Radio Area	Select radio area	Europe / Russia / China / Japan / America
RDS	RDS function on or off	Notice: Work base on Europe radio area
TA Option	TA function operate	Alarm or Seek
TA Retune	TA scan interval time	Long or Short

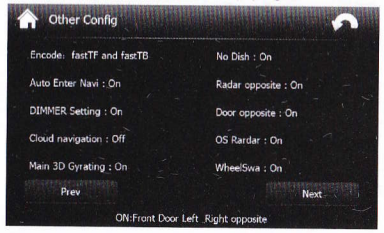
Clock Tune	Radio time setup by RDS	On or Off
	Europe radio area	FM: 87.5MHz ~ 108MHz AM: 522KHz ~ 1620KHz
	China radio area	FM: 87.5MHz ~ 108MHz AM: 522KHz ~ 1620KHz
	Russia radio area	FM: 87.5MHz ~ 108MHz 65MHz~74MHz(FM3 band) AM: 522KHz ~ 1620KHz
	Japan radio area	FM: 76MHz ~ 90MHz AM: 522KHz ~ 1629KHz
	America radio area	FM: 87.5MHz ~ 107.9MHz AM: 530KHz ~ 1720KHz

5. Factory setup

WARNING: ALL THE FACTORY SETTINGS IN THE BEST STATUS, UNCORRECT SETTING WILL MAKE DEVICE WORK ABNORMAL. PLEASE ASK FOR PROFFESSIONAL HELP IF NEED MAKE PERSONALLY FAVORITE SETTING

Set volume is 2 in radio status, then press Eject key above 5s, into factory setup page.





Name	Function description	Contents
Auto Enter Navi	Auto Enter Navi when power on	On or off
Radar opposite	Car's parking radar information position	Work base on Can Bus and need ECU support
Door opposite	For display door status information pair Left drive and Right drive	Work base on Can Bus and need ECU support

6. Trouble handle

If device have any problem, please check the install and operate before return the device. Mostly problem can be fixed by user. Trouble and solution list for reference.

Phenomenon	Reasons	Solutions
Cell phone cannot be paired or cannot connect	Cell phone incompatible;	Change another cell phone and retry;
Device cannot turn on	1, Device fuse broken; 2, Voltage too high or too low; 3, B+ or ACC connect fault; 4, Car's fuse broken;	1, Replace fuse, device is 10A, car's fuse is 15A; 2, Device work on 10~15.8V; 3, Reconnect the wire;
Remote controller doesn't work	1, Battery is out of power; 2, Battery is not placed correctly;	1, Replace battery, it is CR2025; 2, Re-install battery;
No or low sound output	1, EQ setup incorrect;	1, Re set EQ;

	2, Speaker defected; 3, Speaker not match device;	2, Replace speaker; 3, Speaker must is 4Ω;
User settings cannot save	B+ connect incorrect, have no power after key pulled out;	1, Check B+ do not connect with ACC, ensure connect to battery + directly.
Date and time incorrect	GPS adjusted time but the time zone wrong	Setup the right time zone
Touch screen have problem	Touch screen lost data	Calibrate the touch screen: Set volume is 2 in radio status →keep press Eject key→enter factory setup page→keep press Eject key again→system back to source menu→keep press Eject key once again→click center of cross step by step till to display OK!
Display warning message	Video parking function on	Turn off video parking
Some radio station cannot received	1, Antenna bad connect; 2, DX and LOC setup incorrect;	1, Re-check antenna connect; 2, Setup to DX
USB/SD cannot playback	Media format unsupported	
Steering wheel key cannot control device	1, Steering wheel cable did not connect or connect abnormal; 2, Setup incorrect, keys data did not be learned	1, Ensure connect correct; 2, Clear the data and re-learn the keys;

7. Disposal

7.1 Disposal of packaging

Please ensure an appropriate disposal of the packaging according to the regulations and standards in your area. In part, the package may consist of plastic bags – caution! In this regard watch out with particular care to ensure that the package does not get into the hands of children. Danger of suffocation!

7.2 Disposal of appliance

Dispose old equipment in accordance with the rules and regulations of the local environmental protection agency.

DISPOSAL: Do not dispose this product as unsorted municipal waste. Collection of such waste separately for special treatment is necessary.	This appliance is labelled in compliance with European directive 2002/96/EC for Waste Electrical and Electronic Equipment (WEEE). By ensuring that this appliance is disposed of correctly, you will help prevent any possible damage to the environment and to human health, which might otherwise be caused if it were disposed of in the wrong way. The symbol on the product indicates that it may not be treated as normal household waste. It should be taken to a collection point for the recycling of electrical and electronic goods. This appliance requires specialist waste disposal. For further information regarding the treatment, recovery and recycling of this product please contact your local council, your household waste disposal service, or the shop where you purchased it. For more detailed information about treatment, recovery and recycling of this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

8. Wiring diagram

Frequency Range
AM 522-1620KHz
FM 87.5-108MHz
FM 65-74MHz

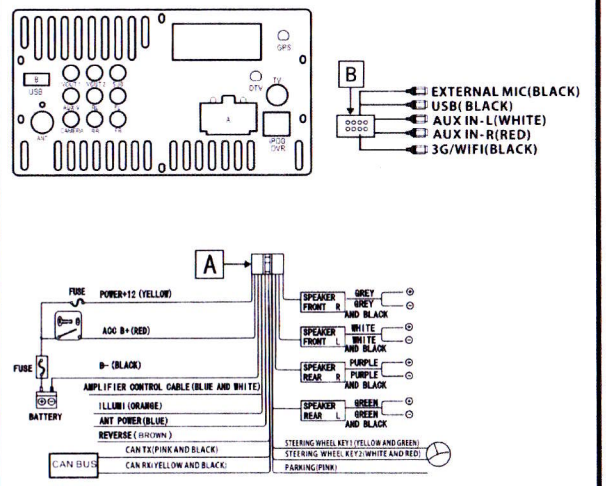
DC Power:12V
Ground Cable

Speaker Impedance:
4Ω

Attention:
incorrect connection may damage the unit!

CLASS1 LASER PRODUCT

RoHS CE FC



parking cable must be connected to B- or there is no video display